

# DE-CARBONISE

Reduce costs and cut carbon

Liz Pasteur

Derby City & Derbyshire County Councils



**European Union**  
European Regional  
Development Fund



**UNIVERSITY**  
*of* **DERBY**



Derby City Council



**DERBYSHIRE**  
County Council

# DE-Carbonise – three parts

Collaboration between Derby City and Derbyshire County Councils and the University of Derby

- Business audits and grant funding to support carbon reduction
- Technical support for product and process improvements
- Developing supply chain networks to drive carbon savings

ERDF part-funded.

Until October 2022.



# DE-Carbonise project - Councils

Councils work with Derby and Derbyshire businesses.

- DE-Carbonise team member site visit to carry out audit (or virtual audit if site visit not possible)
- Provide carbon reduction report with recommendations
- Can provide additional consultancy
- Grants of between £1,000 and £20,000 (DERBY ONLY)
- Grant pays 40% of cost of works



**European Union**  
European Regional  
Development Fund



**UNIVERSITY**  
*of* **DERBY**



Derby City Council



**DERBYSHIRE**  
County Council

# How can we help your business?

- ✓ Improved insulation, lighting, heating and controls
- ✓ More efficient motors, compressors, equipment
- ✓ Transport – electric vehicles, chargers
- ✓ Renewable energy
- ✓ Resource efficiency
- ✓ Waste reduction and recycling



**European Union**  
European Regional  
Development Fund



**UNIVERSITY**  
*of* **DERBY**



Derby City Council



**DERBYSHIRE**  
County Council



400W

135W



250W

50W



70W

28W

Lighting and sensors

# Lighting and sensors



Grant: £1,565 for LED lighting and sensors

Savings: £1,867 and 3.2 tonnes carbon per year





New boilers +  
Zoned heating +  
Controllers

# Heating and insulation

Grant: £5,796 for heating and roller door  
Savings: £682 and 4 tonnes carbon per year





# Compressed air and heat recovery

**Compressor**



**Office area**



**Waste heat**

Grant of £20,000 for compressor and heat recovery;  
Saving up to £43,000 and 112 tonnes carbon per year

# Windows and insulation

Grant of £12,290 for double & secondary glazing, LED lighting, insulation and heating.

Saving £2,700 and 6.7 tonnes carbon per year

Received a **Brighter City of Derby** restoration *highly commended award 2020*

“Thanks again for your help, we would have struggled to get to where we are without your support”



# Resource efficiency

Reduce material use, save money



Grant of £9,724 for LED lighting & controllers  
Saving over £5,644 and 6 tonnes carbon/year



# Renewable energy

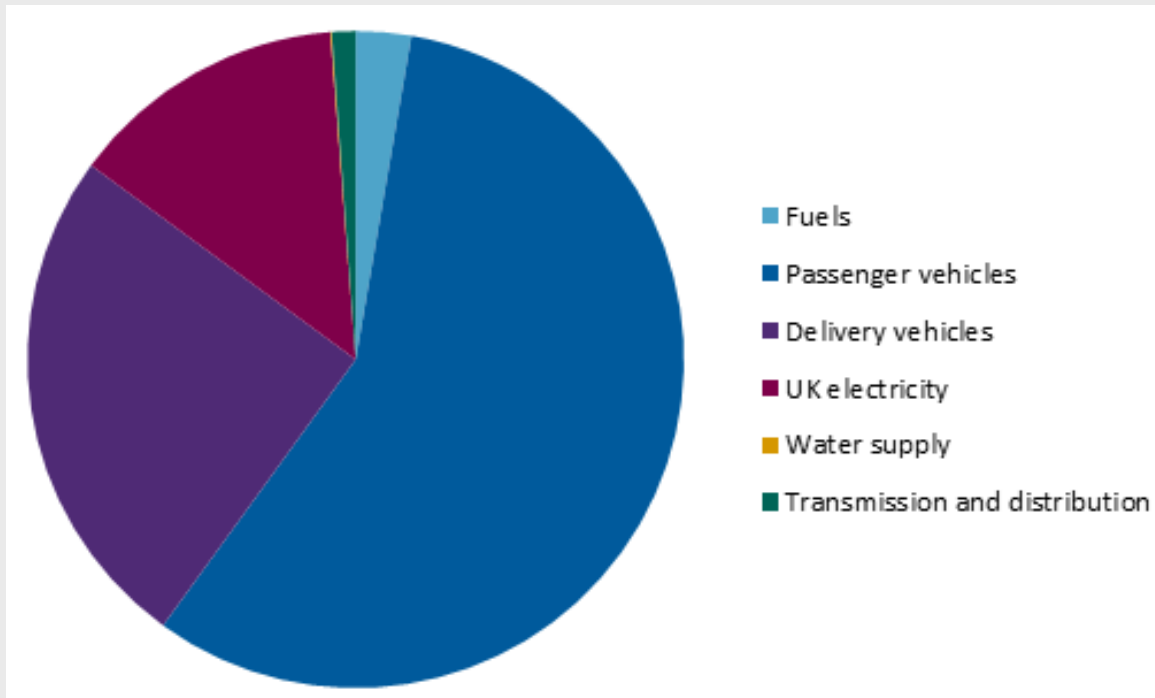
Grant of £15,000 for 41.25 kWp solar photovoltaic system  
Saving up to £3,000 per year and 10 tonnes carbon.





# Transport

Grant of £3,859 to install 2 twin 22kW fast charge points  
Savings of £1,000 and 5 tonnes carbon per year



# Other grants and support

## Derbyshire County Council Green Entrepreneur Fund

- Demonstrator grants up to £100,000
- Small grants of £10,000 to £20,000
- Scholarship fund – funding for individuals to retrain

<https://www.derbyshire.gov.uk/business/green-entrepreneurs-fund/green-entrepreneurs-fund.aspx>





# Other grants and support

## **University of Nottingham Energy for Business grants**

- Grants of up to £8,000 for energy saving for SMEs
- Projects should be innovative
- Paid retrospectively, 3 quotes required; 40% intervention

<https://www.nottingham.ac.uk/research/research-areas/energy-technologies/business-support/grant-scheme/index.aspx>

# Questions?

[www.derby.gov.uk/decarbonise](http://www.derby.gov.uk/decarbonise)

(see short video about the project)

Twitter @DE-Carbonise

Liz Pasteur

Derby City & Derbyshire County Councils

Liz.pasteur@derby.gov.uk



**European Union**  
European Regional  
Development Fund



**UNIVERSITY**  
*of* **DERBY**



Derby City Council



**DERBYSHIRE**  
County Council